In re Application of: Shih *et al*
Serial No.: 09/431,519
Filed: November 1, 1999

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application (note that amendments are **highlighted in bold**):

Claim Listing

Claims 1-42 (canceled)

Claim 43. (previously presented) An anabolic implant composition for stimulating increased rate of growth, greater amount of growth and greater feed efficiency in cattle, said composition comprising: (i) an immediate-release formulation consisting of zeranol, and (ii) a controlled-release formulation consisting of zeranol and a controlled-release agent, wherein said immediate-release formulation and said controlled-release formulation cooperate to effect said stimulation.

Claim 44. (previously presented) The implant composition of claim 43, wherein said immediate-release formulation and said controlled-release formulation are present respectively in a weight ratio range 1:2 to 1:25 in said composition.

Claim 45. (previously presented) The implant composition of claim 43, wherein said immediate-release formulation and said controlled-release formulation are present respectively in a weight ratio range 1:2 to 1:10 in said composition.

Claim 46. (previously presented) The implant composition of claim 43, wherein said immediate-release formulation and said controlled-release formulation are present respectively in a weight ratio range 1:3 to 1:8 in said composition.

Claim 47. (previously presented) The implant composition of claim 43, wherein said composition is subcutaneously injectable in said cattle.

Claim 48. (previously presented) The implant composition of claim 43, wherein said zeranol comprises from about 50 wt.% to about 95 wt.% of said composition based on a total weight percentage basis.

Claim 49. (previously presented) The implant composition of claim 43, wherein said zeranol comprises from about 60 wt.% to about 80 wt.% of said composition based on a total weight percentage basis.

Claim 50. (previously presented) The implant composition of claim 43, wherein said immediate-release formulation additionally contains a diluent.

Claim 51. (previously presented) The implant composition of claim 50, wherein said diluent is selected from the group consisting of lactose, mannitol, sorbitol, sucrose, dextrose, starches, hydrolyzed starches, and combinations thereof.

Claim 52. (previously presented) The implant composition of claim 51, wherein said diluent is lactose.

Claim 53. (previously presented) The implant composition of claim 43, wherein said controlled-release agent is selected from the group consisting of poly(D,L-lactide-co-glycolide), ethyl cellulose, methyl acrylate-methyl methacrylate copolymer, methyl cellulose, hydroxyethyl cellulose, hydroxypropylmethyl cellulose, sodium carboxymethyl cellulose, and combinations thereof.

Claim 54. (previously presented) The implant composition of claim 53, wherein said controlled-release agent is poly(D,L-lactide-co-glycolide).

Claim 55. (previously presented) The implant composition of claim 53, wherein said controlled-release agent is ethyl cellulose.

Claim 56. (previously presented) The implant composition of claim 43, wherein said controlled-release agent comprises from about 1.0 wt.% to about 8.0 wt.% based on the total weight of said implant composition.

Claim 57. (previously presented) The implant composition of claim 43, further comprising a bulking agent, binder, excipient, tabletting agent, colorant and combinations thereof.

Claim 58. (new) An anabolic implant composition for stimulating increased rate of growth, greater amount of growth and greater feed efficiency in cattle, said composition comprising: (i) an immediate-release formulation **with an anabolic agent** consisting of zeranol, and (ii) a controlled-release formulation consisting of zeranol and a controlled-release agent, wherein said immediate-release formulation and said controlled-release formulation cooperate to effect said stimulation.

Claim 59. (new) The implant composition of claim 58, wherein said immediate-release formulation and said controlled-release formulation are present respectively in a weight ratio range 1:2 to 1:25 in said composition.

Claim 60. (new) The implant composition of claim 58, wherein said immediate-release formulation and said controlled-release formulation are present respectively in a weight ratio range 1:2 to 1:10 in said composition.

Claim 61. (new) The implant composition of claim 58, wherein said immediate-release formulation and said controlled-release formulation are present respectively in a weight ratio range 1:3 to 1:8 in said composition.

Claim 62. (new) The implant composition of claim 58, wherein said composition is subcutaneously injectable in said cattle.

Claim 63. (new) The implant composition of claim 58, wherein said zeranol comprises from about 50 wt.% to about 95 wt.% of said composition based on a total weight percentage basis.

Claim 64. (new) The implant composition of claim 58, wherein said zeranol comprises from about 60 wt.% to about 80 wt.% of said composition based on a total weight percentage basis.

Claim 65. (new) The implant composition of claim 58, wherein said immediate-release formulation additionally contains a diluent.

Claim 66. (new) The implant composition of claim 65, wherein said diluent is selected from the group consisting of lactose, mannitol, sorbitol, sucrose, dextrose, starches, hydrolyzed starches, and combinations thereof.

Claim 67. (new) The implant composition of claim 66, wherein said diluent is lactose.

Claim 68. (new) The implant composition of claim 58, wherein said controlled-release agent is selected from the group consisting of poly(D,L-lactide-co-glycolide), ethyl cellulose, methyl acrylate-methyl methacrylate copolymer, methyl cellulose, hydroxyethyl cellulose, hydroxypropylmethyl cellulose, sodium carboxymethyl cellulose, and combinations thereof.

Claim 69. (new) The implant composition of claim 58, wherein said controlled-release agent is poly(D,L-lactide-co-glycolide).

Claim 70. (new) The implant composition of claim 58, wherein said controlled-release agent is ethyl cellulose.

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Claim 71. (new) The implant composition of claim 43, wherein said controlled-release agent comprises from about 1.0 wt.% to about 8.0 wt.% based on the total weight of said implant composition.

Claim 72. (new) The implant composition of claim 43, further comprising a bulking agent, binder, excipient, tabletting agent, colorant and combinations thereof.